5 GeV Test Run
Plan of the Day

June 25, 2012

3 h access, starting at 8 AM:

- Restore low-energy part of magnet transfer tables; had been chopped off for 255 GeV proton run (Al)
- Revert D0 power supply polarity (Don)
- Disconnect/put to standby phase shifters and γ_t quads. Modify Active Table (Don, Al, John)

- Open PHENIX VTX detector (started VTX warm-up at 6 AM)
- Re-configure injection and dump kickers, and permit (Arlene, Jian-Lin, Greg)
- Replace chips on beam sync link boards (Charlie)
- Change BLAM limits (Angelika)
- Change harmonic number (LLRF, Larry)
- Establish AGS-to-RHIC synchro (LLRF)

- Load new matched AtR optics (Vincent)
- Extract to W-dump (MCR)
- Enable STAR magnet permit input to prevent e-cloud if magnet should magnet be ramped down or trip (Greg)
- ARTUS/injection damper BPM swap and timing (Instrumention)
- Infer and apply dipole correctors from Cu-Au ramp (Al)

Lattice/ramp Au12-v1

- Only two stepstones, injection and (hysteresis) flattop
- Coupling feedback won't work due to modified integer tunes (28.11/30.13.) Manual decoupling required (Yun)
- Need new matched AtR optics (Vincent)
- Chromaticity values in RampEditor show up as $\pm 60 - 80$ units; in reality that should correspond to $\pm 10 - 20$ units

AP shift schedule

Monday day: Christoph (injection, circulating beam, RF capture)
Monday evening: Chuyu (orbit)
Tuesday owl: Guillaume (chromaticity, modeling issues)